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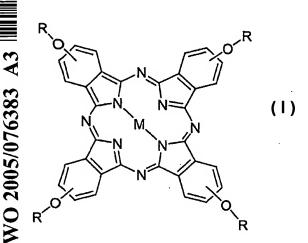
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(54) Title: PHTHALOCYANINE DERIVATIVES, THEIR USE AS HOMEOTROPICALLY ALIGNED LAYER IN ELECTRONIC DEVICES AND METHOD FOR THE MANUFACTURING THEREOF



(57) Abstract: The present invention discloses a liquid crystalline tetra alkyloxy-substituted phthalocyanine derivative with the following structure: (I) wherein M is a metal such as zinc (Zn), copper (Cu), platinum (Pt), palladium (Pd), ... or two atoms such as 2 H or 2 Li, and R is the followed branched aliphatic chain: (II) with n=0 and x=6-30 y=6-30 z=0-30 or n=1 and x=10-30 y=6-30 z=0-30 or n>1 and n=10 and n=10.